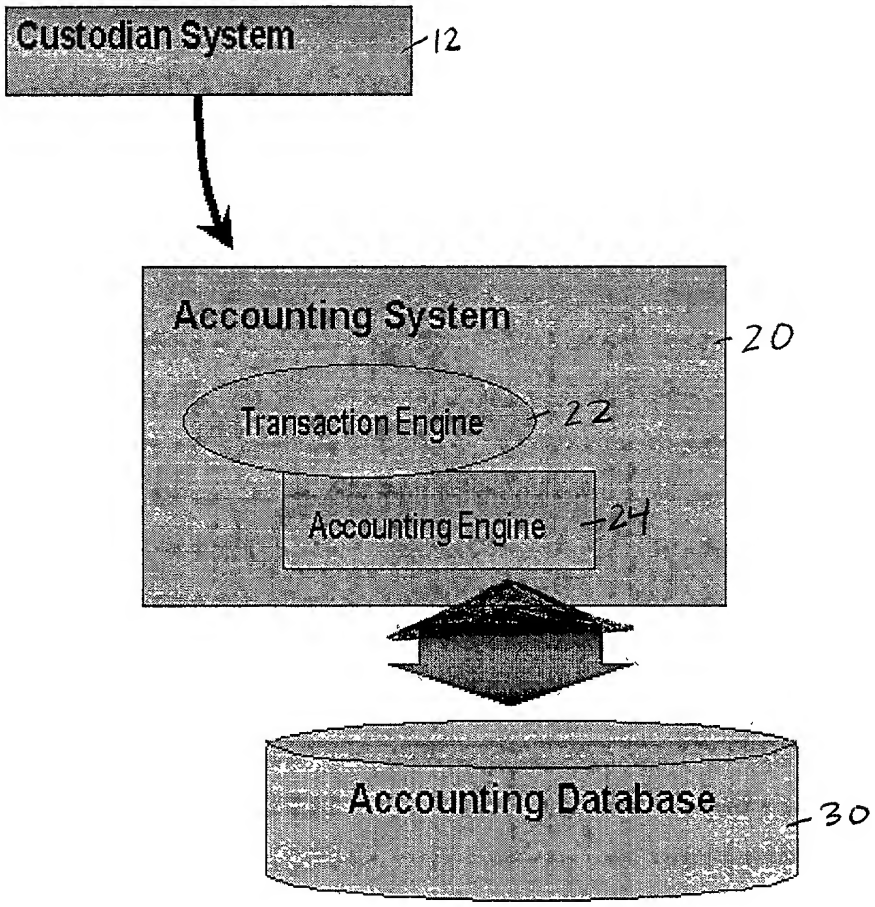
Custodian System
12
Accounting System
20
Transaction Engine
22
Accounting Engine
24
Accounting Database
30

FIG. 1

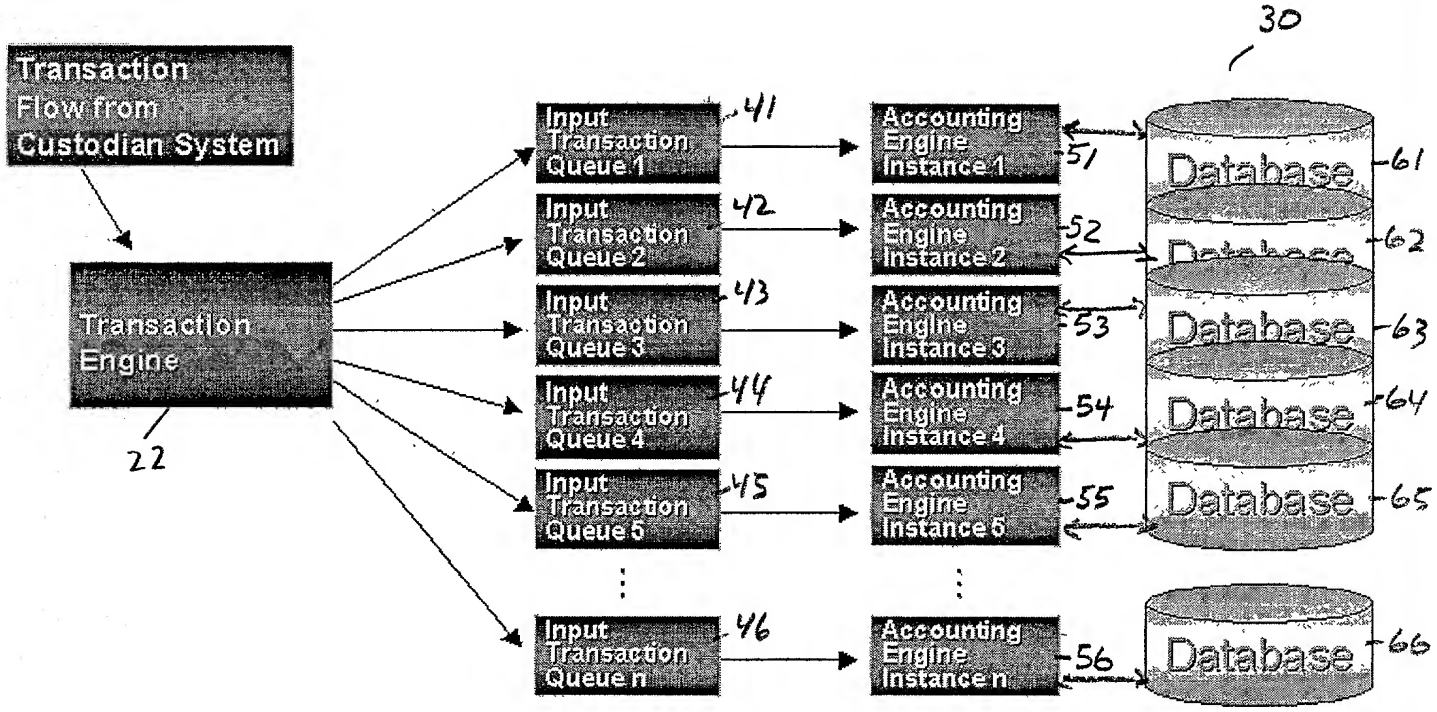
Transaction Flow from Custodian System
Transaction Engine
22
Input Transaction Queue 1
41
Input Transaction Queue 2
42
Input Transaction Queue 3
43
Input Transaction Queue 4
44
Input Transaction Queue 5
45
Input Transaction Queue n
46
Accounting Engine Instance 1
51
Accounting Engine Instance 2
52
Accounting Engine Instance 3
53
Accounting Engine Instance 4
54
Accounting Engine Instance 5
55
Accounting Engine Instance n
56
30
Database
61
Database
62
Database
63
Database
64
Database
65
Database
66

FIG. 2

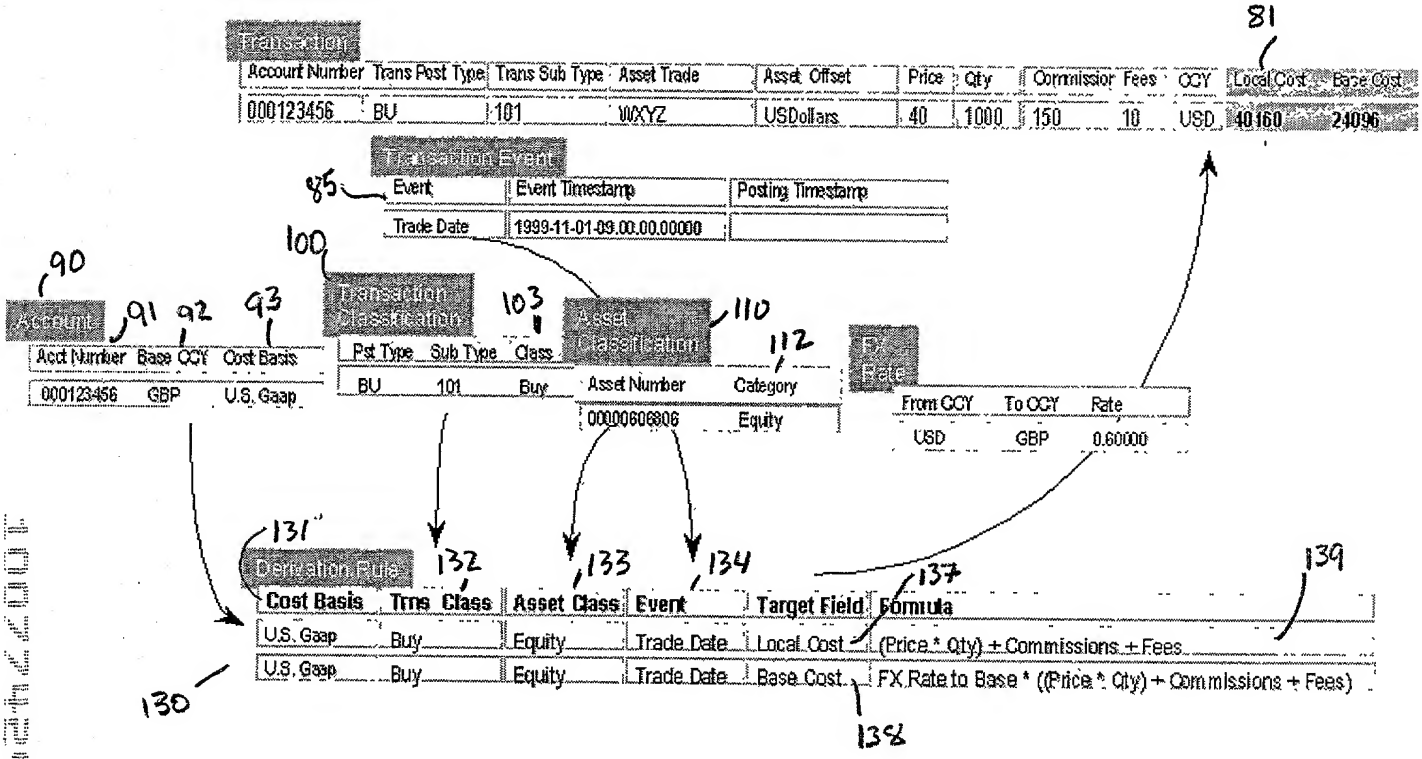
Transaction
Account Number
Trans Post Type
Trans Sub Type
Asset Trade
Asset Offset
Price
Qty
Commission
Fees
CCY
Local Cost
Base Cost
000123456
BU
101
WXYZ
USDollars
40
1000
150
10
USD
40160
24096
81
Transaction Event
Event
Event Timestamp
Posting Timestamp
Trade Date
1999-11-01-09.00.00.00000
85
90
100
Account
91
92
93
Acct Number
Base CCY
Cost Basis
000123456
GBP
U.S. Gaap
Transaction Classification
103
Pst Type
Sub Type
Class
BU
101
Buy
Asset Classification
110
112
Asset Number
Category
000006806
Equity
FX Rate
From CCY
To CCY
Rate
USD
GBP
0.60000
131
Derivation Rule
132
133
134
137
139
Cost Basis
Trns Class
Asset Class
Event
Target Field
Formula
U.S. Gaap
Buy
Equity
Trade Date
Local Cost
(Price * Qty) + Commissions + Fees
U.S. Gaap
Buy
Equity
Trade Date
Base Cost
FX Rate to Base * ((Price * Qty) + Commissions + Fees)
130
138

FIG. 3

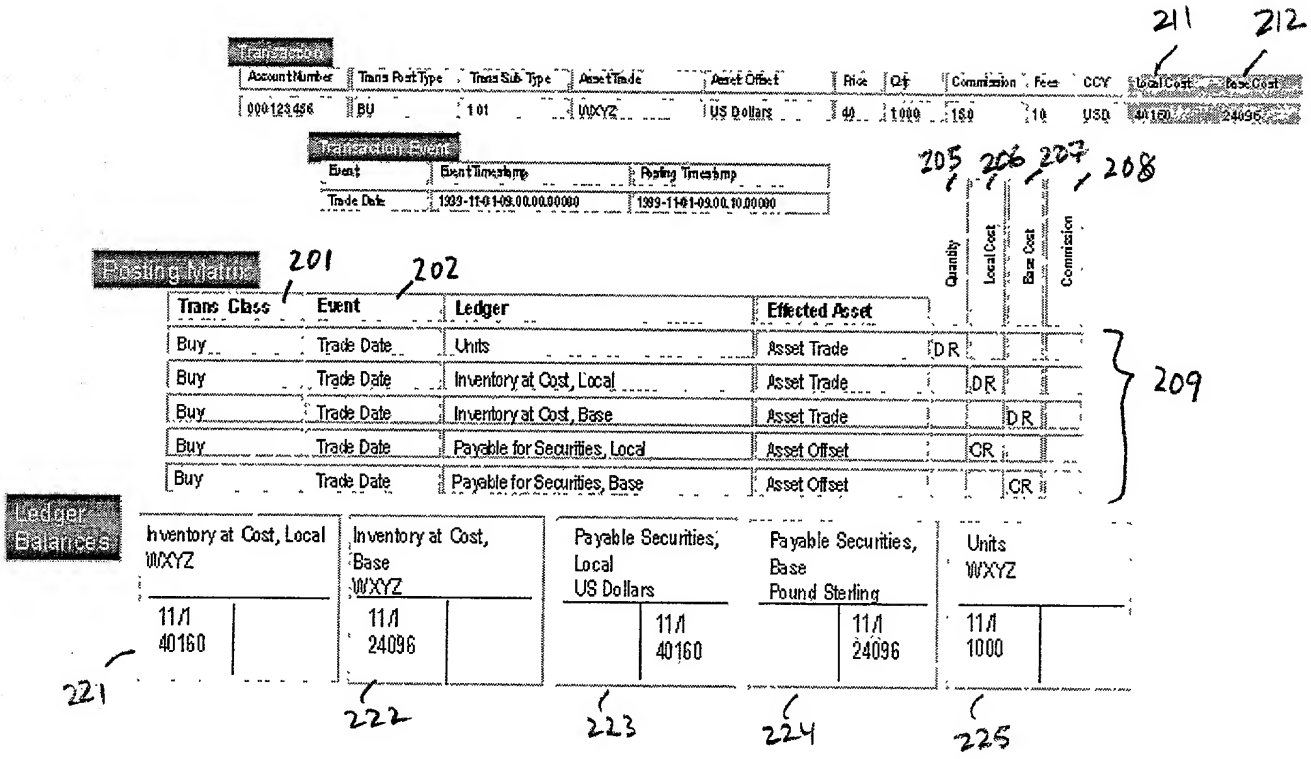
Transaction
Account Number
Trans Post Type
Trans Sub-Type
Asset Trade
Asset Offset
Price
Qty
Commission
Fees
CCY
Local Cost
Base Cost
000123456
BU
101
WXYZ
US Dollars
40
1000
100
10
USD
40160
24096
211
212
Transaction Event
Event
Event Timestamp
Posting Timestamp
Trade Date
1999-11-01-09.00.00.00000
1999-11-01-09.00.10.00000
205
206
207
208
Posting Matrix
201
202
Trans Class
Event
Ledger
Effected Asset
Quantity
Local Cost
Base Cost
Commission
Buy
Trade Date
Units
Asset Trade
DR
Buy
Trade Date
Inventory at Cost, Local
Asset Trade
DR
Buy
Trade Date
Inventory at Cost, Base
Asset Trade
DR
Buy
Trade Date
Payable for Securities, Local
Asset Offset
CR
Buy
Trade Date
Payable for Securities, Base
Asset Offset
CR
209
Ledger Balances
Inventory at Cost, Local
WXYZ
11/1
40160
221
Inventory at Cost, Base
WXYZ
11/1
24096
222
Payable Securities, Local
US Dollars
11/1
40160
223
Payable Securities, Base
Pound Sterling
11/1
24096
224
Units
WXYZ
11/1
1000
225

FIG. 4